

Title (en)

PROTECTION CAP FOR OPTICAL CONNECTOR PLUG

Title (de)

SCHUTZKAPPE FÜR OPTISCHEN STECKVERBINDER

Title (fr)

CAPUCHON DE PROTECTION POUR FICHE DE CONNECTEUR OPTIQUE

Publication

EP 3306367 A1 20180411 (EN)

Application

EP 17194736 A 20171004

Priority

JP 2016196940 A 20161005

Abstract (en)

The invention can previously prevent a protection cap from being carelessly detached during the use or at the transferring time of a plug main body, and can secure and maintain prevention of dusts intrusion. A cap main body (10) is provided so that a leading end side is formed by an occluded portion (22) which is formed into an approximately rectangular conical shape, a cover portion (11) having an approximately rectangular tubular shape is provided in an inner side of the occluded portion (22), and a rear end side is formed into an approximately rectangular tubular shape by right and left side plates (10a) and upper and lower side plates (10b). A pair of slits (S) are provided at upper and lower positions of the right and left side plates (10a) or right and left positions of the upper and lower side plates (10b) of the cap main body (10) from an opening end of the cap main body (10) toward an inward occluded portion so that elastic side plates (12) are formed so as to face to each other. A locking mechanism (60) protruding out of an opening portion in a rear end of the cap main body (10) and capable of locking to and unlocking from a spring push (41) of the plug main body (1) is provided in a leading end of the elastic side plates (12).

IPC 8 full level

G02B 6/38 (2006.01)

CPC (source: CN EP US)

G02B 6/3849 (2013.01 - CN EP US); **G02B 6/3885** (2013.01 - EP US); **G02B 6/3821** (2013.01 - EP US); **G02B 6/387** (2013.01 - EP US); **G02B 6/3885** (2013.01 - CN); **G02B 6/3893** (2013.01 - EP US)

Citation (applicant)

US 2011188813 A1 20110804 - MARCOUILLER THOMAS [US], et al

Citation (search report)

- [X1] US 2011013876 A1 20110120 - MARCOUILLER THOMAS [US], et al
- [AD] US 2011188813 A1 20110804 - MARCOUILLER THOMAS [US], et al
- [A] US 2015277062 A1 20151001 - XIAO TELLER [CN], et al

Cited by

EP3559718A4; WO2022020491A1; US11209600B2; US11782221B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3306367 A1 20180411; CN 107918175 A 20180417; JP 2018060040 A 20180412; JP 6839951 B2 20210310; US 10209457 B2 20190219; US 2018095226 A1 20180405

DOCDB simple family (application)

EP 17194736 A 20171004; CN 201710924574 A 20170930; JP 2016196940 A 20161005; US 201715722008 A 20171002